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Issued Patent No.	7,034,058 10/634,641
Issued Date	April 25, 2006
Application Number	10/634,641
Filing Date	August 4, 2003
First Named Inventor	TAKAHATA, KYOYA
Group Art Unit	1614
Examiner Name	Delacroix Muirhei, Cybille
Attorney Docket Number	ORIN-004

Total Number of Pages in This Submission 4

ENCLOSURES (check all that apply)

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Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Signing Attorney/Agent (Reg. No.)	CAROL L. FRANCIS, 36,513 BOZICEVIC, FIELD & FRANCIS, LLP	Certificate JUN 06 2006 of Correction
Signature	<i>Carol L. Francis</i>	
Date	May 30, 2006	

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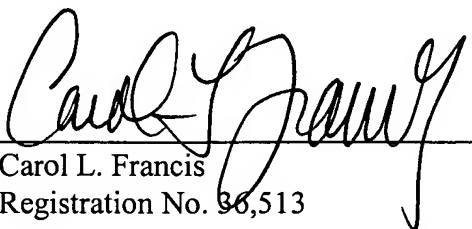
PETITION FOR CERTIFICATE OF CORRECTION Address to: Mail Stop DAC Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Attorney Docket	ORIN-004
	First Named Inventor	TAKAHATA, KYOYA
	Patent Number	7,034,058
	Issue Date	April 25, 2006
	Application Number	10/634,641
	Filing Date	August 4, 2003
	Title: "ANTI-TUMOR PHARMACEUTICAL COMPOSITION COMPRISING N-VANILLYL FATTY ACID AMIDE"	

Sir:

Transmitted herewith for filing is a Certificate of Correction for the above-identified patent. In *column 12, line 9, please replace "(C016)" with -- (C16) --*. Enclosed is a copy of column 12 showing the change.

It is believed that no fee is due since the error was made by the Patent and Trademark Office. However, the Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.20, which may be required by this paper, or to credit any overpayment, to Deposit Account No. 50-0815 order number ORIN-004.

Respectfully submitted,
BOZICEVIC, FIELD & FRANCIS LLP

By: 
Carol L. Francis
Registration No. 36,513

BOZICEVIC, FIELD & FRANCIS LLP
1900 University Avenue, Suite 200
East Palo Alto, California 94303
Telephone: (650) 327-3400
Fax: (650) 327-3231

JUN 06 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,034,058

DATED : April 25, 2006

INVENTOR(S) : TAKAHATA, KYOYA, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent
is hereby corrected as shown below:

In Column 12, line 9, please delete "(C016)" and replace with -- (C16) --

MAILING ADDRESS OF SENDER:

BOZICEVIC, FIELD & FRANCIS LLP
1900 University Avenue, Suite 200
East Palo Alto, California 94303

PATENT NO. 7,034,058

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EFFECT OF THE INVENTION

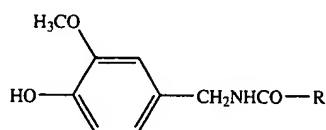
The present invention provides a pharmaceutical composition having an anti-tumor effect, in particular, an anti-melanoma effect and an anti-leukemia cell effect. In particular, the present invention provides an anti-tumor pharmaceutical composition having little side-effect to normal cells like capsaicin; having a high anti-tumor effect, in particular, an anti-melanoma effect and an anti-leukemia cell effect; and not having hotness, stimulus and proinflammatory effect.

It has been reported that capsaicin, which is a compound related to the N-vanillyl fatty acid amide of the present invention, has an anti-tumor effect both in vitro and in vivo, and both of the data obtained in vitro or in vivo are correlative (Eur J. Cancer. 1996 October; 32A(11): 1995-2003). Both of the N-vanillyl fatty acid amide of the present invention and capsaicin induce an apoptosis to suppress the growth of tumor cells, and have in common the vanillyl amine structure binding to a vaniloid receptor known as an in vivo receptor (A. Szallasi et.al., Life Sci., 47, 1399-1408 (1990)).

Taking this point into consideration, although the present specification does not state the in vivo data, it is apparent to those skilled in the art that the pharmaceutical composition will be effective in vivo.

The invention claimed is:

1. A method for the treatment of melanoma or leukemia comprising administering to a patient in need thereof an effective amount of a N-vanillyl fatty acid amide of formula (1):



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wherein —CO—R group represents a saturated or unsaturated fatty acid residue containing from 14 to 32 carbon atoms.

2. The method of claim 1, wherein the —CO—R group is a member selected from the group consisting of saturated fatty acid residues containing from 14 to 32 carbon atoms.

3. The method of claim 2, wherein the —CO—R group is a member selected from the group consisting of myristic acid residue (C14), palmitic acid residue (C16) and stearic acid residue (C18). (C14)

4. The method of claim 1, wherein the —CO—R group is a member selected from the group consisting of unsaturated fatty acid residues containing from 14 to 32 carbon atoms.

5. The method of claim 4, wherein the —CO—R group is a member selected from the group consisting of unsaturated fatty acid residues having from 1 to 3 double bonds and containing 18 carbon atoms and unsaturated (any acid residues having 4 or 5 double bonds and containing 20 carbon atoms).

6. The method of claim 5, wherein the —CO—R group is a member selected from the group consisting of oleic acid residue (C18:1), ricinoleic acid residue (C18:1), linoleic acid residue (C18:2), linolenic acid residue (C18:3) and eleostearic acid residue (C18:3).

7. The method of claim 5, wherein the —CO—R group is a member selected from the group consisting of arachidonic acid residue (C20:4) and eicosapentaenoic acid residue (C20:5).

8. The method of claim 4, wherein the —CO—R group is a member selected from the group consisting of unsaturated fatty acid residues having four or more double bonds and containing 22, 24, 26, 28 or 32 carbon atoms.

9. The method of claim 8, wherein the —CO—R group is 4,7,10,13,16,19-docosahexaenoic acid residue (C22:6).

* * * * *